DISCIPLINE: WAN/LAN Protocols

Discipline Roadmap for: WAN/LAN Protocols

Current	2 Years	5 Years
Baseline Environment	**Tactical Deployment**	**Strategic Direction**

WAN Protocols (Layer II)
Frame Relay ——————————————————————————————
ATM ——————————————————————————————————
SNA
Ethernet ——————————————————————————————

MPLS (Metronet) ———

LAN Protocols
Ethernet
Gigabit Ethernet
TCP/IP
IPX/SPX
LAT-DEC
SNA
AppleTalk

Ethernet (Switched) ——————————————————————————————————————

TCP/IP

	Shared	Agency
	✓	✓

Retirement Targets

Mainstream Platforms (must be supported)

WAN:
ATM, Frame Relay, Ethernet, MPLS

LAN:
Ethernet (switched), TCP/IP

Containment Targets (no new development)
SNA (WAN), SNA (LAN), IPX/SPX, AppleTalk, LAT-DEC

Emerging Platforms
MPLS

Implications and Dependencies

Individual agencies should conduct an evaluation for moving applications from SNA to current technologies.

Roadmap Notes

A business case analysis will be conducted to determine the timing of scheduling SNA for retirement. SNA investments should be Curtailed pending completion of this business case analysis.

DISCIPLINE: WAN/LAN Protocols (Cont'd)

Discipline Roadmap for: WAN/LAN Protocols

- **Discipline Boundaries:**
  - ❑ Layer II is the data link layer of the Open Systems Interconnection (OSI) reference model.
- **Discipline Standards:**
  - ❑ None.
- **Migration Considerations:**
  - ❑ Those agencies with SNA networks should consider converting to IP Network when feasible.
- **Exception Considerations:**
  - ❑ None.
- **Miscellaneous Notes:**
  - ❑ May want to establish another Discipline for WAN Transport in the future.
- **Date Last Updated:**
  - ❑ April 28, 2004
- **Next Review Date:**
  - ❑ October 2004